

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV051420\
 Data File : VV016068.D
 Acq On : 14 May 2020 15:48
 Operator : SY/MD
 Sample : L2598-19MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4241MS

Quant Time: May 15 07:55:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR050720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 15 06:27:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	171547	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	169126	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	75897	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	42209	4.54	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	90.80%
7) Chloroethane-d5	1.58	69	41138	4.66	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	93.20%
11) 1,1-Dichloroethene-d2	2.13	63	89445	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	3.93	46	123291	46.44	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	92.88%
24) Chloroform-d	4.38	84	87322	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
26) 1,2-Dichloroethane-d4	5.06	65	50728	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	87.00%
32) Benzene-d6	5.08	84	175456	4.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.20%
36) 1,2-Dichloropropane-d6	6.10	67	56678	4.61	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.20%
41) Toluene-d8	7.34	98	155551	4.09	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.80%
45) trans-1,3-Dichloropropene-	7.65	79	18737	3.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.80%
48) 2-Hexanone-d5	8.12	63	95072	44.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.78%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39723	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	92.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	57677	4.68	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	93.60%

Target Compounds

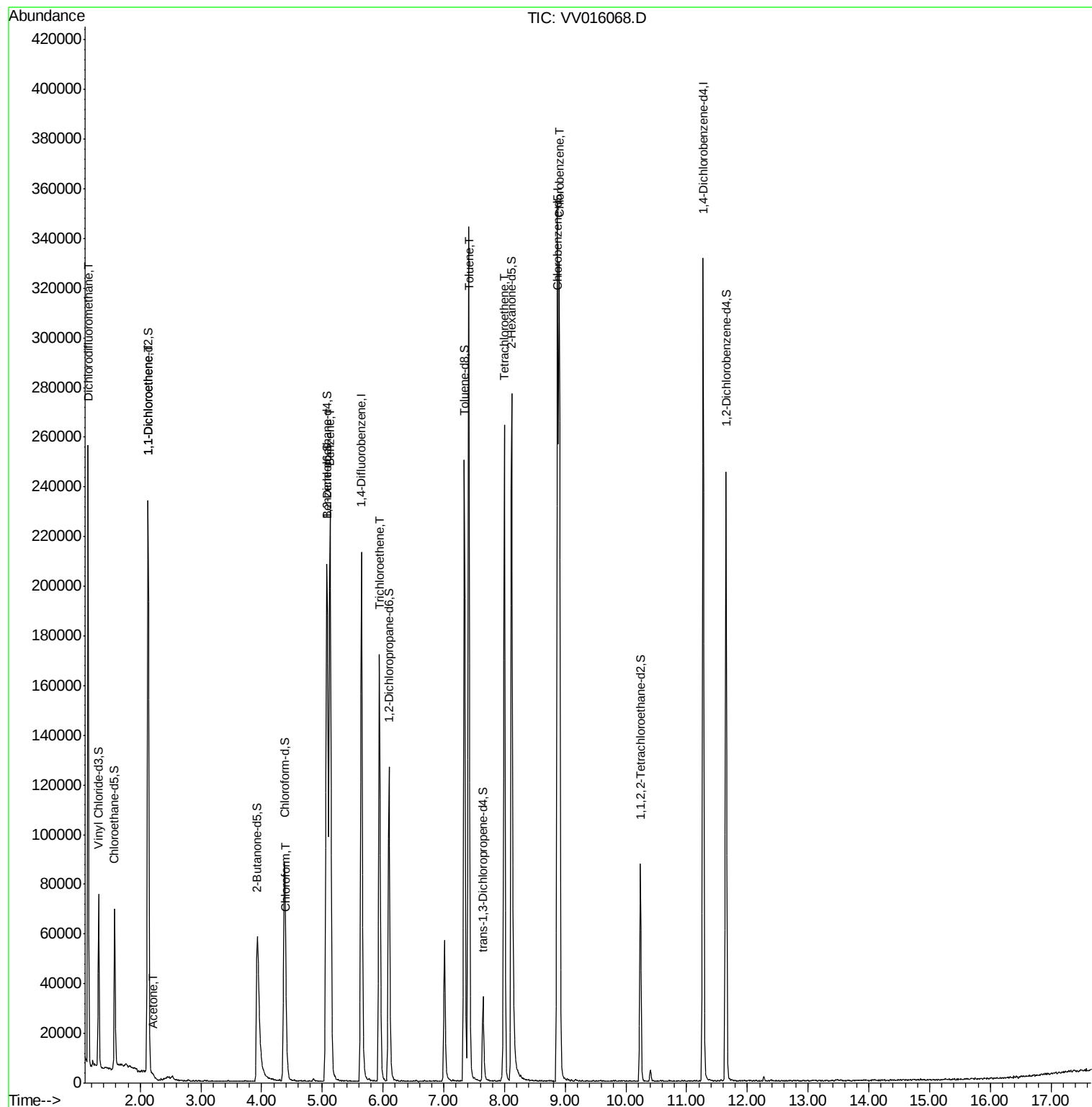
					Ovalue
2) Dichlorodifluoromethane	1.14	85	2814	0.214 ug/L	96
12) 1,1-Dichloroethene	2.14	96	43604	4.619 ug/L	92
13) Acetone	2.21	43	3161	1.805 ug/L	91
25) Chloroform	4.41	83	8515	0.385 ug/L	100
33) Benzene	5.13	78	221802	5.213 ug/L	100
34) Trichloroethene	5.94	95	59461	4.896 ug/L	97
42) Toluene	7.41	91	236550	5.245 ug/L	98
49) Tetrachloroethene	8.00	164	53806	6.349 ug/L	98
53) Chlorobenzene	8.90	112	157288	5.422 ug/L	98

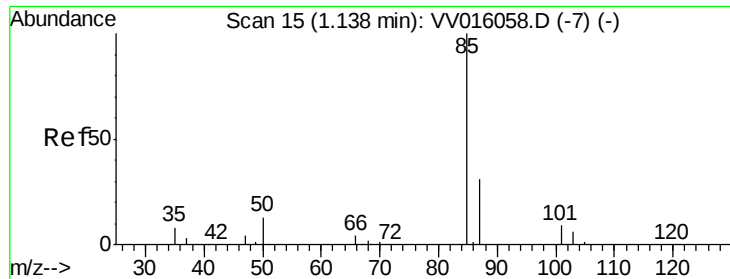
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 0.214 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV016068.D

Acq: 14 May 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

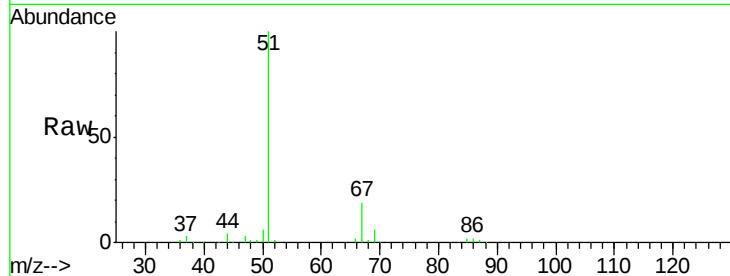
H4241MS

Tot Ion: 85 Resp: 2814

Ion Ratio Lower Upper

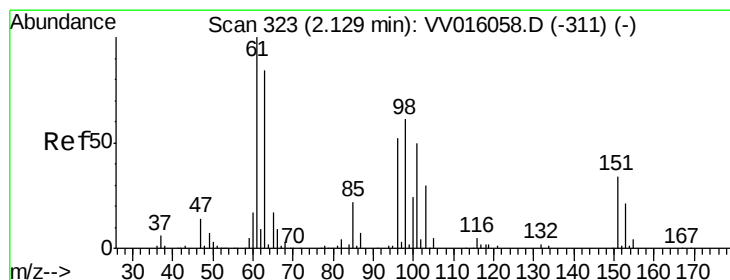
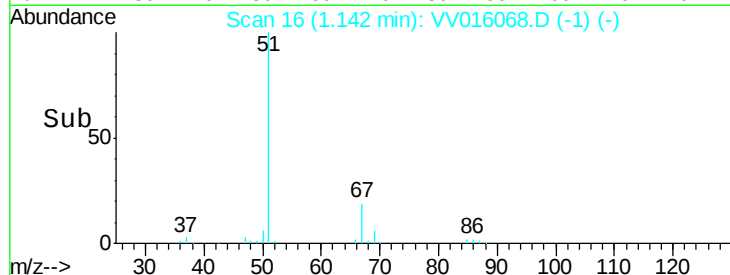
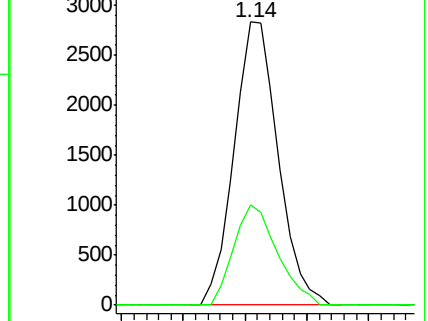
85 100

87 35.0 26.4 39.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#12

1,1-Dichloroethene

Concen: 4.619 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.01 min

Lab File: VV016068.D

Acq: 14 May 2020 15:48

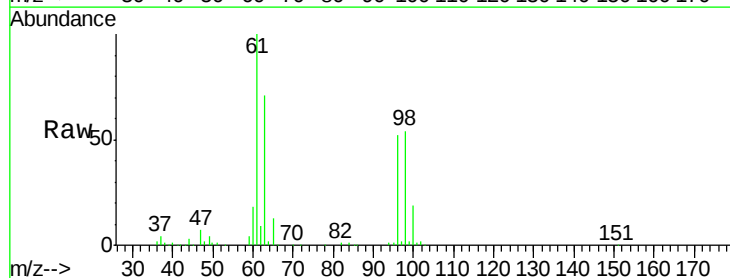
Tgt Ion: 96 Resp: 43604

Ion Ratio Lower Upper

96 100

61 192.5 139.9 259.7

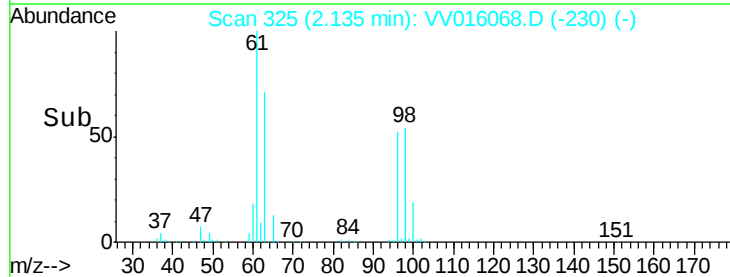
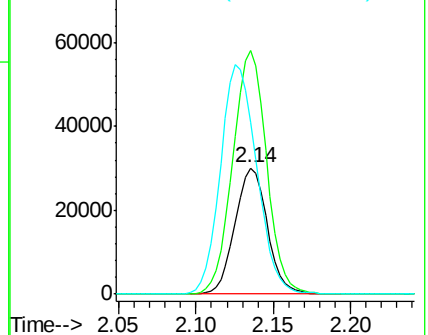
63 135.9 106.4 197.6

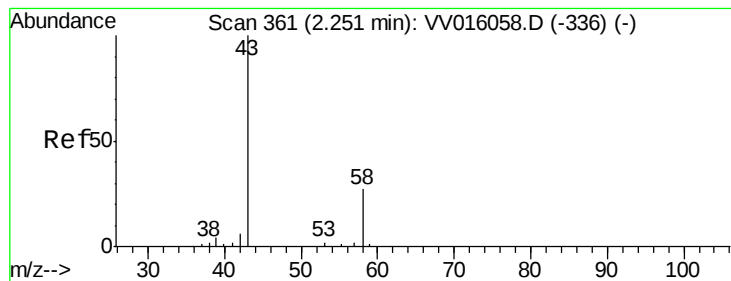


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 1.805 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.04 min

Lab File: VV016068.D

Acq: 14 May 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

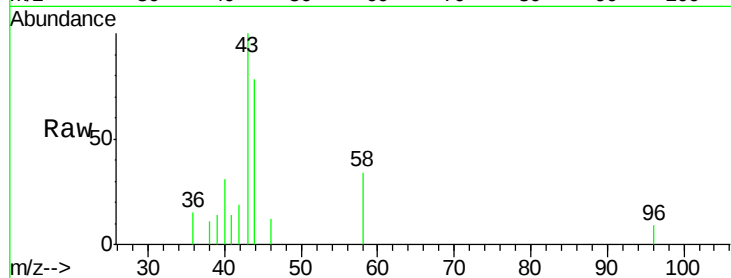
H4241MS

Tot Ion: 43 Resp: 3161

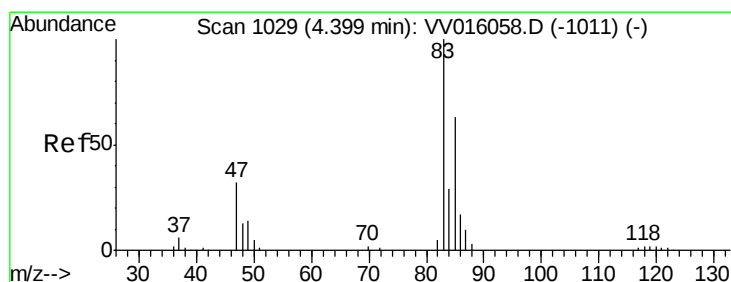
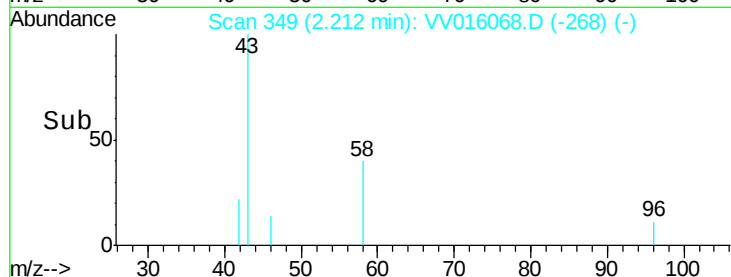
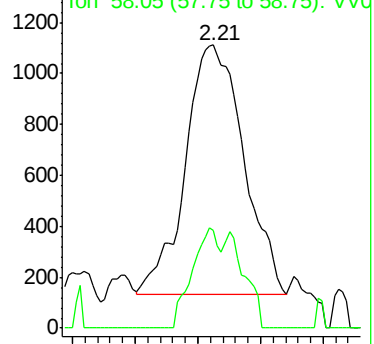
Ion Ratio Lower Upper

43 100

58 19.3 0.0 30.8



Abundance Ion 43.05 (42.75 to 43.75): VV016068.D (-336) (-)



#25

Chloroform

Concen: 0.385 ug/L

RT: 4.41 min Scan# 1032

Delta R.T. 0.01 min

Lab File: VV016068.D

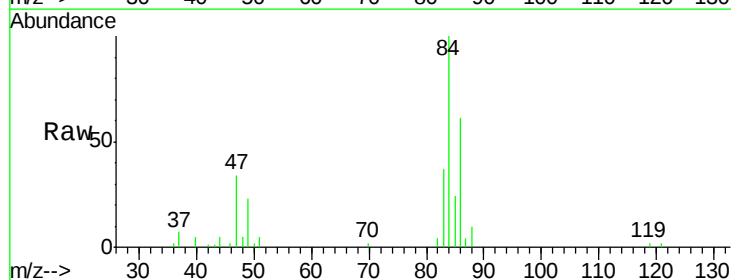
Acq: 14 May 2020 15:48

Tgt Ion: 83 Resp: 8515

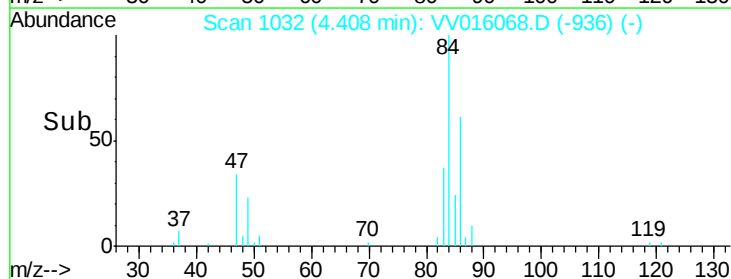
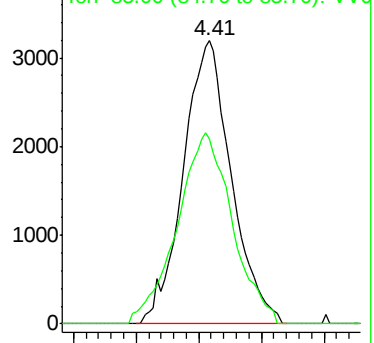
Ion Ratio Lower Upper

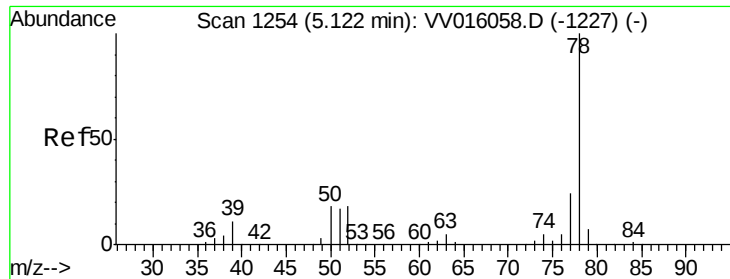
83 100

85 65.4 45.7 84.9



Abundance Ion 83.05 (82.75 to 83.75): VV016068.D (-1011) (-)





#33

Benzene

Concen: 5.213 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

Lab File: VV016068.D

Acq: 14 May 2020 15:48

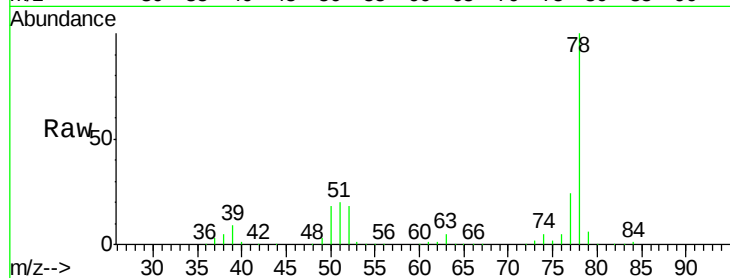
Instrument :

MSVOA_V

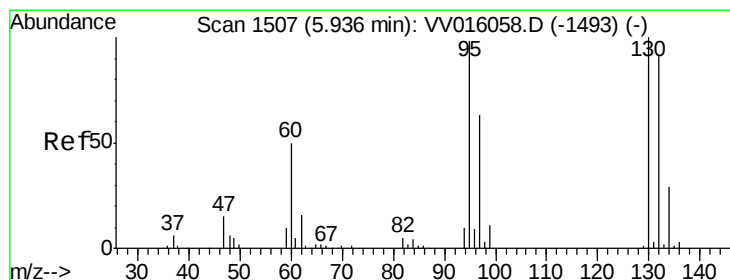
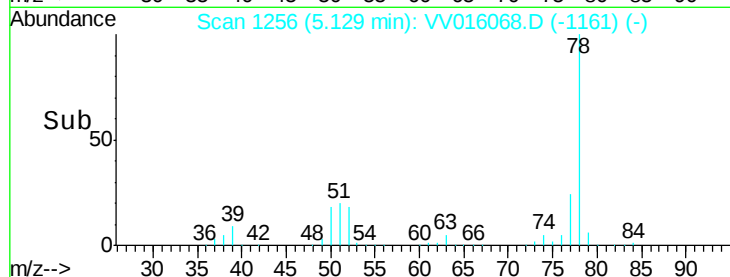
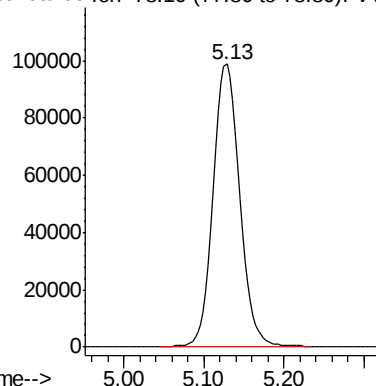
ClientSampleId :

H4241MS

Tgt Ion: 78 Resp: 221802



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 4.896 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016068.D

Acq: 14 May 2020 15:48

Tgt Ion: 95 Resp: 59461

Ion	Ratio	Lower	Upper
95	100		
97	62.1	43.3	80.5
132	92.2	60.3	112.1
130	94.9	66.0	122.6

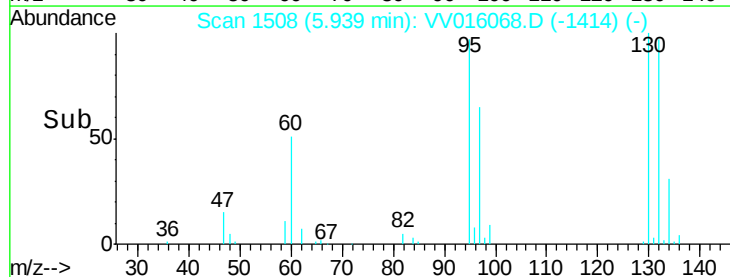
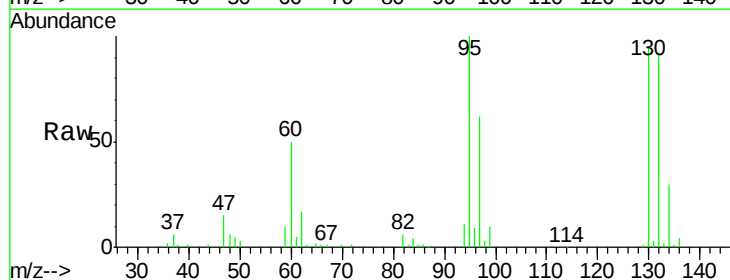
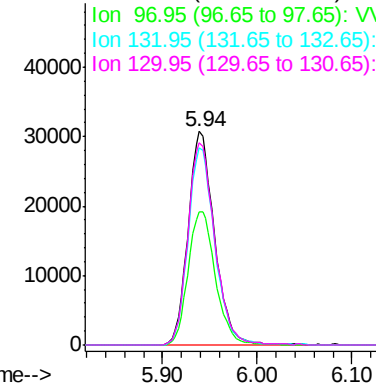
Ion 95.00 (94.70 to 95.70): VV0

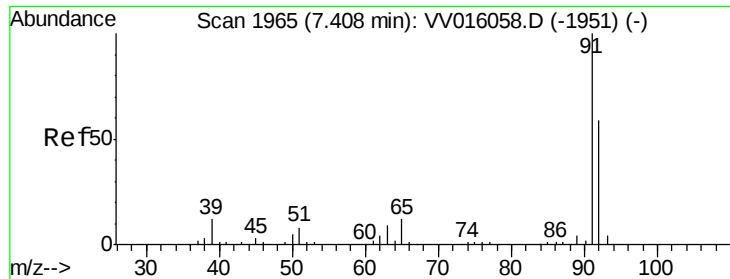
Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0





#42

Toluene

Concen: 5.245 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016068.D

Acq: 14 May 2020 15:48

Instrument :

MSVOA_V

ClientSampleId :

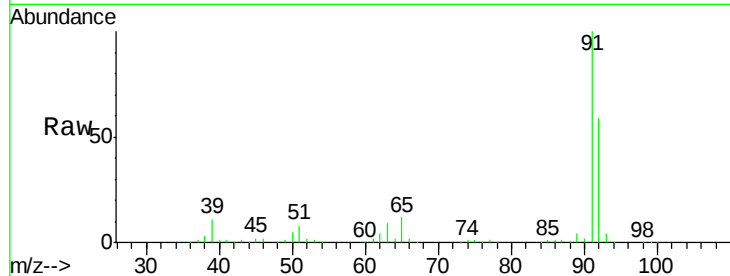
H4241MS

Tot Ion: 91 Resp: 236550

Ion Ratio Lower Upper

91 100

92 58.6 40.1 74.5



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.41

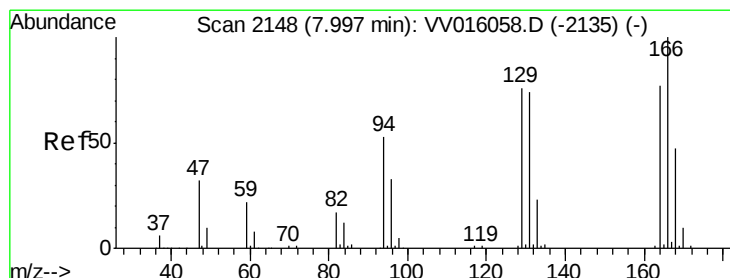
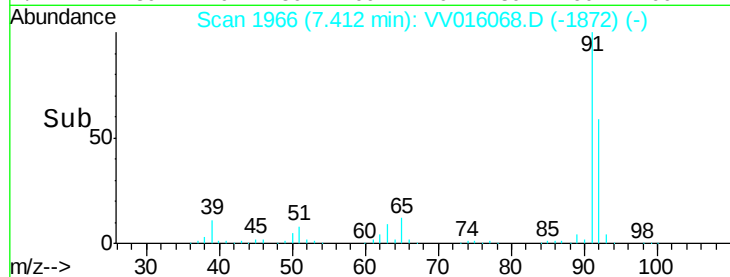
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#49

Tetrachloroethene

Concen: 6.349 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016068.D

Acq: 14 May 2020 15:48

Tgt Ion: 164 Resp: 53806

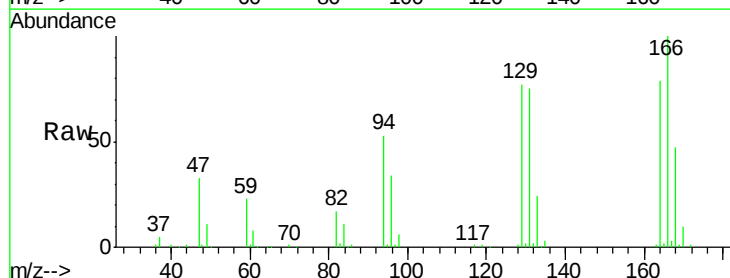
Ion Ratio Lower Upper

164 100

129 97.4 69.7 129.4

131 94.1 66.8 124.2

166 126.0 89.1 165.5



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

60000

50000

40000

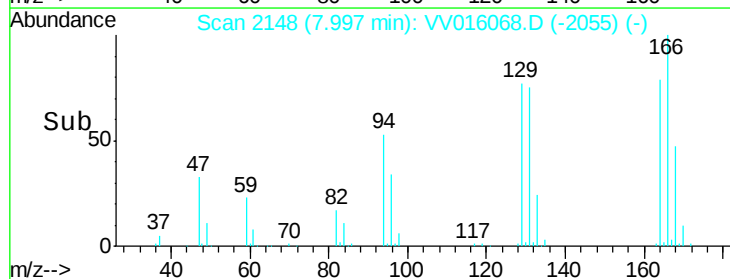
30000

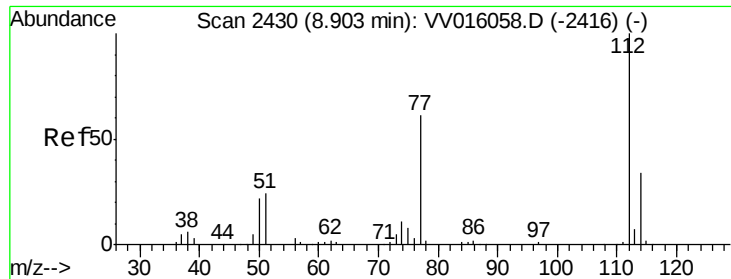
20000

10000

0

Time--> 7.90 7.95 8.00 8.05 8.10





#53

Chlorobenzene

Concen: 5.422 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016068.D

Acq: 14 May 2020 15:48

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ClientSampleId :

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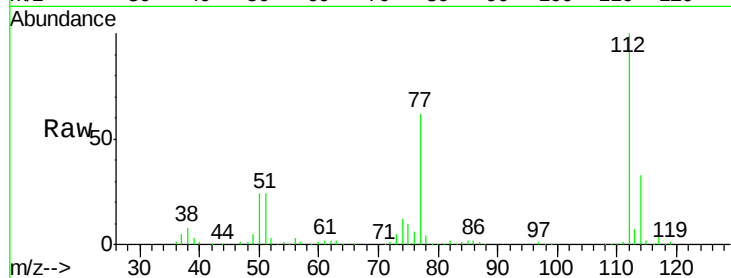
Tot Ion:112 Resp: 157288

Ion Ratio Lower Upper

112 100

114 32.9 21.6 40.0

77 61.5 48.6 73.0



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): V

